

A method for producing a silicon nitride filter,  
which comprises heat-treating in nitrogen a green body  
comprising from 35 to 90 mass% of silicon nitride

5 particles having an average particle diameter of from 1 to 30 $\mu$ m, from 5 to 60 mass% of a pore-forming agent and from 0.1 to 5 mass% of metal oxide particles, provided that the total amount of the silicon nitride particles, the pore-forming agent and the metal oxide particles is  
10 at least 90 mass%, to form a porous product made substantially of silicon nitride